

TOCH BROTHERS

ESTABLISHED 1848

NEW YORK-CHICAGO-LOS ANGELES
LONDON

DIVISION OF
STANDARD VARNISH WORKS



TECHNICAL PAINTS AND WATERPROOFING COMPOUNDS

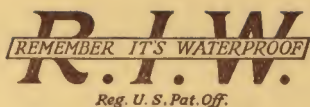
S. A. MORMAN CO.
PERKINS BUILDING
GRAND RAPIDS, MICHIGAN

TECHNICAL SERVICE DEPARTMENT

An Engineering Department is maintained by us for the use of our clients. This Department can be of service where special materials and specifications are required or where unusual conditions are met.

Correspondence and personal inquiry are invited on Technical Paint, Dampproofing and Waterproofing problems.

TOCH BROTHERS



TOCH'S
TECHNICAL PAINTS
AND
WATERPROOFING
COMPOUNDS



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STANDARD VARNISH WORKS

"R.I.W." Quick-Done

Concrete, Accelerator and Anti-Freeze Solution

"R.I.W." Quick-Done is a colorless liquid, to be used integrally in Portland cement mixtures, concrete, stucco, brick mortar, etc. When this solution is used, a great increase is obtained in the early tensile strength of Portland cement mixtures. Quick-Done brings into service all the cohesive and colloidal properties of the Portland cement, so that it can be finished in less time than usual and it functions through the entire mass. Delays in construction, caused by freezing weather, are eliminated and a general speeding up of masonry construction is had.

Quick-Done accelerates the initial and final set of Portland cement construction from two to four and one-half hours, thereby saving time and labor in construction. This material lowers the freezing point at which the Portland cement mixture can be placed in low temperature weather.

In brick mortar work the Quick-Done is invaluable as it makes for speeding of the laying of brick and finishing of the mortar joint immediately, and, therefore, a quick removal of scaffolding or staging.

"R.I.W." Quick-Done should be added to the gauging water, mixing same in the proportion as noted below. In instances where the water is fed direct to the mixer, the water should be run into the drum and the Quick-Done added in the proportions as specified before sand or other aggregate is dumped in, proceeding in the usual way.

In using Quick-Done anti-freeze solution in cold or low temperature weather the following proportions to hydrate the mix are approximate and can be used when the aggregates and water are warm or heated:

<i>Atmospheric Temperature</i>	<i>Parts of "R.I.W." Quick-Done</i>	<i>Parts of Gauging Water</i>
32 degrees	1	20
28 degrees	1	15
25 degrees	1	10
18 degrees	2	10

No frozen aggregates shall be used under any circumstance.

Waterproofing and Acid-Proofing Integral Method

"R.I.W." Toxement (*Patented*)

Powder

Portland Cement Mortar or Concrete Construction, Stucco, Cement Blocks, Molded Work, such as Urns, Statues, Posts, etc.

A powder for the integral waterproofing of mass concrete, Portland cement mortar or stucco construction. The "R.I.W." Toxement lubricates the mix owing to its colloidal nature, increasing the plasticity and workability, giving a dense concrete or cement mortar mass that is absolutely waterproof and in its use it brings about the proper and complete hydration of the cement.

Toxement Powder should be added to and mixed with the dry Portland cement in the proportion of two percent by weight of the cement used. Where extreme pressures are to be met Toxement Powder should be mixed in the proportion of three percent by weight of the amount of Portland cement used. In machine mixing add Toxement to the Portland Cement at the mixer by simply dumping it into the bag of cement before it is dumped into the mixer. Then proceed in the usual way. In hand mixing dry sand shall be spread in a layer of even depth on the platform and the Portland Cement spread thereon. Over same sprinkle Toxement in the proportions as above specified. These materials shall be turned until evenly mixed, after which the other aggregate (sand and stone or gravel) shall be added in the usual way.

"R.I.W." Toxement (*Patented*)

Paste

For the waterproofing of Portland Cement stucco, cement mortar and concrete construction, etc., the Toxement Paste possesses the same features as the "R.I.W." Toxement Powder and is very easily added to the cement mix. Toxement Paste will thoroughly waterproof Portland Cement, stucco or cement mortar construction as well as gravel or stone, concrete, correcting the absorptive action of same, also imparting better working qualities to the mass without the use of excessive mixing water.

Toxement Paste should be added to the mix in the proportion of 2% by weight of the Portland Cement used, thoroughly mixing the paste with the required amount of water for each bag of Portland Cement used (this approximates about six gallons of water for each bag "94 lbs." of cement), after which the water in which the paste has been added shall be used to gauge the Portland Cement mix.

"R.I.W." No. 421 Acid-Proof Toxement

(Patented)

A gray powder for the integral waterproofing of mass concrete, Portland cement, stucco or cement mortar construction in chemical plants, in concrete storage tanks or places where acid conditions exist. No. 421 Acid-proof Toxement possesses the same properties as "R.I.W." Toxement Powder with the additional feature of protecting the concrete or Portland cement mortar construction against the action of acid solutions and when used in combination with the "R.I.W." Acid-proof Cement Filler offers the most efficient and effective protective medium against these conditions.

No. 421 Acid-proof Toxement shall be used in the proportion of two pounds to each bag of Portland Cement used in the mix and shall be added to the mix in the same manner as specified for the Toxement Powder.

Dampproofing, Interior and Exterior

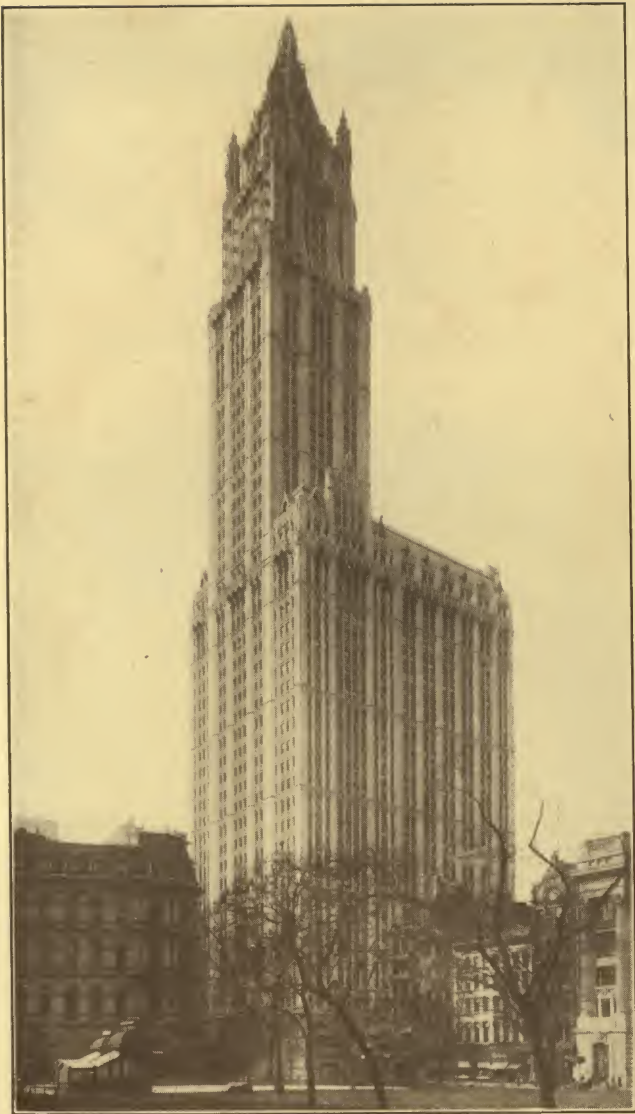
"R.I.W." Semi-Mastic Dampproofing Compound and Plaster Bond

Applied With a Brush. Covering Capacity, Per Gallon, One Coat, Approximately 60 Sq. Ft.

A black waterproof semi-mastic compound ready for use, applied with a brush to the interior surfaces of weather exposed masonry wall surfaces to which hard wall plaster is to be applied.

"R.I.W." Semi-mastic Dampproofing forms a perfect bond to hard wall plaster applied directly to same and prevents the penetration of dampness, also rendering the inside of walls vermin and stainproof. This compound saves the cost of furring and lathing. This material is not recommended for use on ceiling surfaces of any kind, nor shall Portland cement mortar or concrete be applied over this compound.

"R.I.W." Semi-mastic Dampproofing should be applied under the same conditions as recommended for "R.I.W." No. 232 Damp Resisting Paint and Plaster Bond and should be applied uniformly and thoroughly to the interior of the outside walls of the entire building from grade level to pent house roof so that the finished walls present a uniform appearance.



WOOLWORTH BUILDING, New York City.

Cass-Gilbert, Architect, New York City.

Steelwork, metal lath, concrete foundations and copper dome
protected with—

R.I.W. No. 110.
R.I.W. No. 112.

Verte Antique

R.I.W. Toxement.
R.I.W. No. 232.



DEPARTMENT OF COMMERCE BLDG., Washington, D. C.
York and Sawyer, Architects, New York City
Consolidated Engineering Co., Gen'l Contrs.
 R.I.W. Toxement Integral Waterproofing used in all concrete.



BOSTON CONSOLIDATED GAS CO. BLDG., Boston, Mass.
Parker Thomas and Rice, Architects, Boston, Mass.
 R.I.W. No. 232 Dampproofing and Plaster bond used on interior
 of exterior walls.

Dampproofing, Interior and Exterior

"R.I.W." No. 232 Damp Resisting Paint and Plaster Bond

(Brush or Spray Coat)

Interior Masonry Walls (Above Grade Only)

Covering capacity per gallon, one coat, approximately 60 square feet. Second coat will cover approximately 100 square feet per gallon.

A black, elastic, full-bodied, tacky dampproof paint for application to the interior surface of weather exposed masonry walls to which hard wall plaster is to be applied. No. 232 forms a perfect bond with hard wall plaster applied directly to same and prevents the penetration of dampness, also rendering the inside of walls vermin and stainproof. No. 232 saves the cost of furring and lathing. Portland Cement mortar or concrete must not be applied directly over this dampproofing.

All holes and voids in the brick or terra cotta wall surfaces shall be carefully filled with Portland Cement mortar and all joints shall be struck flush previous to the application of No. 232 Dampproofing and plaster bond and when the walls are dry and free from any foreign matter, which would interfere with its penetration or bonding properties, No. 232 shall be applied uniformly and thoroughly with a good bristle roofer's brush or with a spray gun to the interior of the outside walls of the entire building from grade level to pent house, so that the finished walls present an even black appearance. The second coat shall be applied after a lapse of not less than twelve to twenty-four hours.

No. 232 shall be applied in the same manner between the floor level and ceiling below. If the arches or floor slabs are placed prior to the application of No. 232 then this material shall be carried back one foot from the outer walls on the underside of the connecting ceilings. No. 232 shall also be applied to all cut-outs, wall chases and recesses in the wall—applying this material—before any pipes or metal work are inserted. Plastering shall be started not less than twenty-four hours after the application of the "R.I.W." No. 232 to the walls.

"R.I.W." Marine Cement

Dampproofing—Exterior Masonry Walls Below Grade

Covering capacity per gallon, one coat, approximately 40 square feet.

A black dampproof and waterproof composition used for dampproofing the exterior of foundation walls, footings, etc., also used for the protection and preservation of wood sleepers laid in concrete and other masonry to prevent the wood from rotting and warping.

Marine Cement is not affected by alkalis and will remain intact in any soil. It is applied by cold brush application and does not require heating. It affords permanent protection against destructive agencies and abrasion.

For foundation walls, slabs, etc., Marine Cement can be used with either open mesh burlap or with waterproof felt paper to give a waterproof membrane.

In the application of Marine Cement all holes and voids in the masonry construction shall be carefully filled with a Portland Cement mortar; rubble stone foundations shall be brought to an even surface with Portland Cement mortar. When the walls, etc., are ready and perfectly dry the Marine Cement shall be applied uniformly and thoroughly in two applications to the footings and to the outside of the foundation walls of the entire building from footings to soil level. The second application of Marine Cement should be brushed at right angles to the first coat so as to assure thorough and uniform covering of the surfaces to which applied. Back filling shall be started not more than seven days, nor less than one day after the application of the Marine Cement.

For wood floors laid over concrete the wood sleepers and concrete should be thoroughly coated with Marine Cement, coating the wood sleepers on all four sides before setting in the concrete and when same are set in place apply a heavy coat of Marine Cement over the entire exposed floor and sleepers previous to laying the finish wood floor. For posts, etc., which are to be imbedded in the ground, Marine Cement should be applied to the portion imbedded in the ground.

"R.I.W." Plastertox, Dampproofing and Plaster Bond (Plastic for Trowel Application)

Covering capacity, per gallon, one coat, 20 square feet.

A black waterproof plastic compound ready for use, applied with a trowel, for application to masonry wall surfaces. It is ready for use as furnished in the container.

Plastertox bonds perfectly with hard wall plaster and prevents the penetration of dampness, rendering the walls vermin and stainproof. **This material is not recommended for use on ceilings of any kind.**

Plastertox Dampproofing and Plaster Bond is used on the interior of weather exposed walls from grade level to pent house roof and renders furring and lathing unnecessary.

Plastertox should be applied under the same conditions as recommended for "R.I.W." No. 232 Damp Resisting Paint and Plaster Bond and should be applied uniformly and thoroughly to the interior of the outside walls of the entire building from grade level to pent house roof so that the finished walls present a uniform appearance.

"R.I.W." No. 110 Damp Resisting Paint

Back Painting Stone, "Damp-proofing and Stone Backing"

Covering capacity per gallon, one coat approximately 125 square feet.

A black elastic, alkali and dampproof paint for the protection of stone from chemical action and discoloration due to alkali in cement, etc. No. 110 is widely used for backing limestone, bedford stone, granite and marble and other cut stone, etc., and offers the most efficient medium for protection against staining action.

Limestone, bedford stone, etc., which is to be coated, shall be thoroughly painted with No. 110, applying the material to the top, bedding, sides and back of all surfaces in contact with masonry to within one inch of the face to prevent staining and insure a thorough dampproofing. The surface of the stone to be treated shall be dry and free from any foreign matter that would interfere with the proper adhesion of No. 110. All Lewis holes and anchor recesses must be coated with No. 110. After the stone is set, where possible, apply an additional coat of No. 110 on the backs, being careful that all joints, as well as the stone itself, are thoroughly coated.

“R.I.W.” Trimbak **Back Painting Wood Trim**

Covering capacity, one coat, approximately 300 square feet per gallon.

A black alkali and Dampproof elastic material for the back painting of wood trim to prevent dampness and alkali in plaster and green masonry walls from warping and swelling the trim, damaging the finish on the wood itself. Trimbak contains no saponible oil, therefore, it is superior to metallic and oil paints which are sometimes used for the backing of trim. This material is also used on the underside of wood floors and on wood sleepers to prevent warping and rotting.

All wood trim underside of wood floors and sleepers, etc., shall be clean and perfectly dry before the coat of Trimbak is applied and this protective coating shall be well brushed over the surfaces to obtain a continuous even coat.

“R.I.W.” Toxloxpore (Colorless)

Covering capacity per gallon, one coat, approximately 150 square feet.

A colorless dampproofing liquid for application to stucco, concrete, limestone, brick and other masonry surfaces which, when applied to a thoroughly dry surface will prevent the penetration of dampness and assist materially in preventing the development of efflorescence.

In applying either Toxloxpore or the Anhydrosol No. 1 (transparent) make certain to point up and fill all cracks, voids and other openings in the masonry walls. After pointing has thoroughly dried and completely set and when the masonry surfaces are dry same shall receive two thorough applications of Toxloxpore, applying the material liberally with a paint brush and allowing the surfaces to take up as much as they will absorb. At least forty-eight hours shall be allowed to lapse between the application of the first and second coats of this material, applying the second coat of Toxloxpore in the same manner as the first coat. No material shall be applied in damp, foggy or freezing weather, nor directly after a rainstorm, nor to new concrete or stucco. All surfaces shall be perfectly dry and free from foreign matter which would interfere with the proper treatment of such surfaces.

“R.I.W.” Anhydrosol No. 1 (Transparent)

Covering capacity per gallon, one coat, approximately 150 square feet.

Where it is the desire not to use a colored or decorative effect Anhydrosol No. 1, which is a transparent varnish-like material, for the prevention of the penetration of dampness, can be applied to the exterior masonry surface. It has a slight darkening effect on the surface to which it is applied and enters and fills the pores of the masonry and is an excellent resistant to the influence of the elements.

"R.I.W." Plug-a-Leak (Liquid or Plastic)

**"The Thrift Coating"—Roofs, Valleys,
Canvas Decks, Flashings and Copings, etc.**

Covering capacity per gallon, one coat, approximately
75 square feet.

Plug-A-Leak is a waterproof, heavy bodied paint of fibrous nature for application to roof surfaces, etc., with an ordinary three knot roof or similar brush. It is furnished in black, dark green and dark red shades. It is a waterproof, sunproof and elastic composition which adheres firmly and its composition is such that it adjusts itself to the expansion and contraction of the roof without cracking, sagging or peeling and is unaffected by temperature changes, acids, or alkali, thus affording the maximum protection.

Plug-A-Leak is also furnished in plastic form for trowel application around skylights, chimneys, eaves, pipes, etc. It goes on the surface very readily and can be spread evenly with a trowel.

The surface to be treated with Plug-A-Leak should be cleaned as thoroughly as possible. Pin holes and small openings can be covered without patching; the larger ones or openings should be swabbed with Liquid Plug-A-Leak and then covered with muslin or other fabric saturated with Plug-A-Leak, after which a finishing coat of Liquid Plug-A-Leak should be applied. While Plug-A-Leak will adhere to a damp surface it is preferable that same should be dry at time of application to permit the material to set quicker.



Red



Maroon



Green



Black

Steel Preservative Paints

"R.I.W." Tockolith (*Patented*)

For Priming or Shop Coat on Iron, Steel or Other Metal

Covering capacity per gallon, one coat, approximately 600 square feet.

A cement basic paint, grey in color, used only as a priming coat on iron, steel or other metal. A finishing coat must always be applied according to the character of finished surface required and the nature of service expected.

Tockolith is the most effective priming coat for iron, steel, or other metal surfaces and is a positive protection against corrosive action. Tockolith is unique in that it can be applied over incipient rust without depreciating its protective value. It gives an unexcelled combination for preventing chemical or electrolytic corrosion when used as a priming coat under other "R.I.W." Preservative Paints. Tockolith must be painted over as soon as practicable and in any event not more than four to six months after application.

The surfaces to which Tockolith priming coat is to be applied shall be cleaned free of rust, dirt, loose scales, oil and grease, etc. Afterwards one thorough coat of Tockolith shall be applied. This paint shall be worked into all joints, crevices, etc. Any parts which are to be rivetted together on the field shall receive two coats of Tockolith before leaving the shop. The first coat must be perfectly dry before the second is applied. All work shall be painted at least forty-eight hours before shipment. The erection marks shall be painted on the painted surfaces. Painting shall not be done in damp or freezing weather except under cover and the steel must be free from frost and moisture when applied. Steel so painted shall be kept under cover until the paint is thoroughly dry.

See page 17 for colors

"R.I.W." No. 110 Damp Resisting Paint

For the Painting of All Steel Work to be Encased in Concrete or Other Masonry, also for Painting of Interior Iron, Steel or Other Metal Subject to Fumes of Acids, Alkalis or Electrolytic Corrosion

Covering capacity, one coat, approximately 300 square feet.

A black dampproof paint, usually applied over a priming coat of "R.I.W." Tockolith, but two coats may be applied without a primer if desired.

No. 110, in addition to being a field coat for structural steel is adapted for painting steel work in factories or laboratories where paint is not subject to atmospheric conditions, but must resist severe corroding agencies, such as fumes of acids or alkalis. For interior use and for painting conduits, and pipes buried in the ground. No. 110 adheres perfectly to concrete and is used widely for painting metal lath to prevent corrosion of metal and staining of plaster. Structural steel after erection or other metal surfaces which are to be painted shall be brushed free of all foreign matter, etc., after which same shall receive one continuous even coat of No. 110 Damp Resisting Paint.

Where two coats of this material are to be applied at least 24 hours shall elapse between the application of the first and second coats. No painting shall be done in damp or freezing weather except under cover and the steel must be free from moisture or frost when No. 110 is applied.

"R.I.W." No. 112 Damp Resisting Paint

Covering capacity per gallon, one coat, approximately 400 square feet.

A black dampproof paint designed primarily for interior exposure and for exterior exposure where the maximum protection afforded by such coatings as No. 49, 1017 and 1087 is not required.

It is furnished in black and is resistant to acid or alkali fumes and brine conditions and has high protective value against electrolytic corrosion.

No. 112 is a good protective coating for structural steel which is to be imbedded or encased in masonry and on steel work inside of factory buildings, etc. It dries in six or ten hours' time and can be painted over in 24 hours' time. When used for priming and finishing it is advisable to have the first coat a maroon shade and the finishing coat black in order to facilitate inspection.

"R.I.W." No. 49 Damp Resisting Paint

**For the Painting of Bridges, Tanks and
Other Iron, Steel or Metal Surfaces Es-
posed to the Exterior Elements**

Covering capacity, per gallon, one coat approximately 700 square feet.

For the painting of exposed iron or metal work No. 49 Damp Resisting Paint, which is furnished in black or dark olive green offers the most effective steel preservative paint and is especially recommended as a finishing coat over a priming coat of "R.I.W." Tockolith. It gives a firm elastic coating, which resists corrosion from locomotive fumes and atmospheric conditions and dries with a good gloss.

The surface to which No. 49 Damp Resisting Paint is to be applied shall be cleaned free from rust, dirt, loose scales, oil and grease and shall be dry. No paint shall be applied in damp, foggy or freezing weather and in cases where two applications of No. 49 are to be made one coat of the paint must be thoroughly dry before the next coat is applied.

See page 17 for colors

"R.I.W." No. 137 Damp Resisting Paint

Covering capacity, per gallon, one coat, approximately 500 square feet.

A bright red protective paint intended primarily for exterior exposure, but is also adapted for interior exposure. No. 137 endures excessive heat and moisture in the tropics and is recommended as a finishing coat over a priming coat of "R.I.W." Tockolith, although two coats may be used without a primer, if desired. It is recommended for the painting of tanks, roofs, gutters and other structures exposed constantly to the weather. It is also a remarkable preservative of wood and metal subject to acid fumes.

The surface to which No. 137 Damp Resisting Paint is to be applied shall be cleaned free from rust, dirt, loose scales, oil and grease and shall be dry. No paint shall be applied in damp, foggy or freezing weather and in cases where two applications of No. 137 are to be made one coat of the paint must be thoroughly dry before the next coat is applied.

See page 17 for colors



MONTREAL SOUTH SHORE BRIDGE, Montreal, Canada.
Harbour Commissioners of Montreal,
Monsarrat and Pratley and Joseph B. Strauss, Engineers.
 R.I.W. Toxement used in exposed concrete.



ST. JOHNS RIVER BRIDGE, Portland, Oregon.
Robinson & Steinman, Consulting Engrs., New York City
 R.I.W. Toxement used in concrete.
 R.I.W. Bridge Cement Primer and R.I.W. Bridge Cement Mem-
 brane Waterproofing used.



SMITH YOUNG TOWER,
San Antonio, Texas.
Atlee B. & Robt. M. Ayres,
Architects,
San Antonio, Texas.
McKenzie Constr. Co.,
Gen'l Contrs.,
San Antonio, Texas.
R.I.W. No. 232 Damp-
proofing & Plaster bond
used under plaster.

N. Y. ATHLETIC CLUB,
New York City.
York and Sawyer,
Architects,
New York City.

R.I.W. Spandrel Beam
Waterproofing used.

R.I.W. Plastertox (Mas-
tic) Dampproofing used
on interior of exterior
walls.



*N. Y. Athletic Club - 450, 451, 452 Ave.
York & Sawyer - Architects
Charles T. Wells, Inc., Builders, 117
Hones, April 24, 1928*

"R.I.W." No. 708 Damp Resisting Paint

Covering capacity, per gallon, one coat, approximately 400 square feet.

A flexible, quick drying, grey acidproof and waterproof paint for exterior or interior exposure. Adapted for the painting of towers and other exposed steel surfaces in chemical plants subject to sulphur fumes and ammonia gases and electrolytic corrosion. It possesses remarkable resistance to adverse climatic conditions and may be used on wood, concrete and other surfaces over a suitable primer.

The surface to which No. 708 Grey Damp Resisting Paint is to be applied shall be cleaned free from rust, dirt, loose scales, oil and grease and shall be dry. No paint shall be applied in damp, foggy or freezing weather and in cases where two applications of No. 708 are to be made one coat of the paint must be thoroughly dry before the next coat is applied.

See page 17 for colors

"R.I.W." No. 1017 Preservative Paint

Covering capacity per gallon, one coat approximately 300 square feet.

This material which is made in ivory, white and colors as shown on page 17 is designed for use as a priming and finishing coat on steel and other metal surfaces. It is a quick-drying China wood oil varnish paint, which is acid-proof and alkali-proof and rust inhibitive.

No. 1017 is capable of withstanding successfully the most severe exposure conditions in both tropical and temperate climates. It dries with a tough elastic and glossy finish and may be applied by brushing, spraying or dipping. This material is not affected by contact with crude oil, gasoline, molasses, sugar juices and alkaline liquids, etc. It is especially adapted for protecting steel work and wood surfaces exposed to severe climatic conditions.

When two coats of No. 1017 are applied the first coat should be different in color from the finishing coat in order to make certain that all surfaces are properly covered.

The surface to which No. 1017 Preservative Paint is to be applied shall be cleaned free from rust, dirt, loose scales, oil and grease and shall be dry. No paint shall be applied in damp, foggy or freezing weather and in cases where two applications of No. 1017 are to be made one coat of the paint must be thoroughly dry before the next coat is applied.

See page 17 for colors

"R.I.W." Battleship Gray

Covering capacity, per gallon, one coat, approximately 500 square feet.

A remarkable preservative made in two shades of gray, light and dark. For application to metal or wood surfaces subjected to atmospheric conditions. This material does not turn white, streak or chalk near sea water. It endures the excessive heat and moisture in the tropics.

Battleship Gray is particularly adapted for molasses tanks, oil tanks, gas-holders and other steel or metal surfaces. It does not attract or intensify heat on metal surfaces.

Battleship Gray may be applied over a suitable priming coat such as "R.I.W." Tockolith or two coats may be used without a primer.

In the application of Battleship Gray the material should be applied to a surface which has been cleaned free from rust, dirt, loose scales, oil and grease.

Further, the material should be applied to a dry surface and in dry weather and in cases where two applications of Battleship Gray are to be made one coat of the paint must be thoroughly dry before the next coat is applied.

See page 17 for colors

"R.I.W." No. 1087

Covering capacity, per gallon, one coat approximately 500 sq. ft.

An economical, quick-drying, acid, alkali and Dampproof China wood oil, hydro-carbon paint, which is furnished in black, red, brown and dark green shades. This material is made to withstand exposure to the elements and is especially adapted for use as a field coat in bridge maintenance work or as a second coat over "R.I.W." Tockolith Primer. No. 1087 contains no saponable oil, therefore, no chemical action occurs when it is brought in contact with the concrete.

In the application of No. 1087 the material should be applied to a surface which has been cleaned free from rust, dirt, loose scales, oil and grease.

Further, the material should be applied to a dry surface and in dry weather and in cases where two applications of No. 1087 are to be made one coat of the paint must be thoroughly dry before the next coat is applied.

See page 17 for colors

"R.I.W." Smokestack Paint

Covering capacity, per gallon, one coat, approximately 400 square feet.

A black glossy paint for exterior and interior exposure, which will not crack, peel or blister under the influence of ordinary heat or cold or when subjected to the chemical action of smoke and gases.

Smokestack paint is flexible, thoroughly dampproof and gives a durable protective coating on stacks, boiler fronts and similar hot surfaces.

Steel Preservative Paints



Tockolith (Pat'd) Primer



No. 491 Dark Battleship Gray



No. 4700 Battleship Gray



*No. 1017 Red
Also Black*



No. 708 "R.I.W."



*No. 1017 Dark Olive Green
Also Black*



*No. 49 Olive Green
Also supplied in Black*



No. 1375 Cherry Red



No. 137 Red



No. 370 Maroon



*No. 1087 Brown
Also Black*



*Antique Copper Brown Ground
Coat
Verte Antique, Interior or
Exterior Finish Coat*

"R.I.W." No. 44

Covering capacity per gallon, one coat, approximately 300 square feet.

A black acid and moderately alkaliproof coating, which resists the action of moderately strong sulphur and hydrochloric acids, dilute nitric, acetic and organic acids, lime, soda, carbonate and salt solutions.

No. 44 is used extensively for painting exterior of tanks of either metal or wood that are not exposed to the weather and it will withstand heat up to the point of carbonization. Used to a large extent for the painting of interior of wooden silos.

The surface to which No. 44 is to be applied should be dry at the time of application and free from oil, grease, dirt or other foreign material. While one coat over the proper foundation will give good results a more effective protective film will be had in the application of two coats of No. 44.

"R.I.W." Verte Antique

For Producing Corroded Copper Effect on Metal, Wood, etc.

Covering capacity, per gallon, one coat, approximately 400 square feet.

For coating brass, copper and other metal surfaces to obtain an antique copper finish, Verte Antique may be applied with a sponge, rag or brush to produce the effect desired.

Verte Antique is used on metal cornices, ornamental iron work, grill work and similar surfaces over Antique Copper Ground Coat.

In the application of Antique Copper Ground Coat the surfaces shall be free from scale, dirt, grease or other foreign matter. This ground coat shall be allowed to dry for at least 24 hours, then Verte Antique may be applied with a rag, sponge or stippler to obtain either a corroded or smooth effect. No painting shall be done in wet, damp or freezing weather and each coat of paint shall be absolutely dry before the succeeding coat is applied.

See page 17 for colors

"R.I.W." No. 3192

Covering capacity per gallon, one coat, approximately 350 square feet.

A grey waterproof priming coat for protecting the interior of metal or wood drinking water tanks or vessels. This material does not effect or impart any taste to the water.

In the application of No. 3192 the surface should be wiped with a mixture of turpentine and benzine before the material is applied. It can be used on concrete surfaces to which has been previously applied a priming coat of Liquid Konkerit Primer to neutralize the lime in the concrete or other masonry.

"R.I.W." No. 5 Insulectric

Covering capacity per gallon, one coat approximately 400 square feet.

A black Dampproof coating which is highly efficient non-conductor and which is also strongly acid resisting and withstands saline drippings.

No. 5 Insulectric is used as an acid paint in storage battery rooms where a quick drying paint is desired and it is unique for electrical insulations of all kinds such as transformers, junction boxes, storage batteries, conduits, etc.

The surfaces to which No. 5 Insulectric is to be applied should be free from oil, grease or other foreign matter which would interfere with the proper adhesion of the material or its protective properties.

"R.I.W." No. 370

Covering capacity per gallon, one coat, approximately 300 square feet per gallon.

A maroon colored waterproof, sunproof elastic paint that is particularly adapted for painting of tin and wood roof surfaces, also shingles and other roofing. It also can be used on brick or concrete surfaces and will be found ideal for the painting interior face of parapets, etc. This material adheres firmly to the mentioned types of surfaces and is an excellent rust preventive when used on metal surfaces.

"R.I.W." No. 9565

Covering capacity, per gallon, one coat, approximately 500 square feet.

A black dampproof, acid resisting high grade varnish paint which dries in about one and one-half to two hours' time. This protective coating offers an exceptional protection against the action of sulphuric acid and is used extensively in laboratories, chemical works, galvanizing and plating work where sulphuric acid is used, in pickling baths; for coating trays, supports and spaces around lead storage batteries.

"R.I.W." No. 969 Cement Gray Paint

Covering capacity per gallon, one coat, approximately 500 square feet.

A gray dampproof and quick drying elastic paint, which is adaptable for priming metal window frames, fireproof doors, etc.

No. 969 dries dust-free within two hours and can be repainted within five hours under ordinary conditions.

"R.I.W." No. 1429

Covering capacity, per gallon, one coat approximately 300 square feet.

A rich red finish waterproof coating for the interior of drinking water tanks or vessels. This material has the properties of preserving the interior of the tanks or vessels without effecting or imparting any taste to the water stored therein.

In the application of No. 1429 same should be allowed to dry for at least 48 hours before subjecting to the action of water. Where two coats of this material are applied allow at least 24 hours between coats.

"R.I.W." No. 1375

Covering capacity per gallon, one coat, approximately 400 square feet.

A cherry red dampproof protective coating for interior use, which resists fumes of chemical gases, moisture or steam.

No. 1375 is recommended for painting brine, ice or steam pipes and is also used extensively for protecting the steel work in paper mills, refrigerator plants, mines, sugar refineries and interior of tanks containing hot cane juice or syrup. This material dries to the touch in about three hours and can be applied to a damp surface if necessary provided the surface is first wiped off with a mixture of turpentine and benzine.

See page 17 for color

"R.I.W." Hand Rail, Trolley, Pole and Fender Paint—Black

Covering capacity per gallon, one coat, approximately 400 square feet.

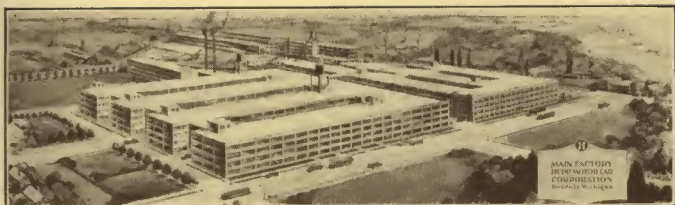
A black, quick drying, elastic and effective material for painting of poles, hand rails, electrical junction boxes, conduits, etc. When dry will not smudge or come off on hands or clothes.

A highly efficient non-conductor which will give exceptional service for the mentioned types of surfaces and conditions to be met in connection with same.

"R.I.W." No. 1379

Covering capacity per gallon, one coat, approximately 500 square feet.

For the painting of exposed iron or other metal work. No. 1379, which is furnished in maroon possesses the same properties as the No. 49 and differs only in color. It is especially recommended as a finishing coat over a priming coat of "R.I.W." Tockolith.



HUPP MOTOR CAR CORPN., Detroit, Mich.

R.I.W. Toxement Integral Waterproofing used in concrete.

R.I.W. Liquid Konkret used for painting exterior concrete.

R.I.W. Flintox Floor Hardener used in concrete floors.



FISHER BUILDING, Detroit, Mich.

Albert Kahn, Inc., Architects, Detroit, Mich.

H. G. Christman Burke Co., Contractors.

R.I.W. Trimbak used for backpainting interior wood trim.

R.I.W. No. 110 Black used for back painting cut stone.



UNION STATION, Toronto, Ont., Canada.

Ross & McDonald, Architects, Montreal, Canada.

R.I.W. Toxement Integral Waterproofing used in all concrete.
Cut stone back painted and stainproofed with R.I.W. No. 110.



SHERRY NETHERLANDS HOTEL, New York City.

Schultz & Weaver, Architects, New York City.

Shroder & Koppel, Gen'l, Contrs., New York City

R.I.W. Protective Products used—

Edinburg Mortar Colors.

R.I.W. Mastic Dampproofing.

R.I.W. Toxement Integral Waterproofing.

R.I.W. Steel Paints.

Concrete and Masonry Finishes

"R.I.W." Cement Floor Enamel (*Patented*)

Covering capacity, per gallon, one coat, approximately 300 square feet.

A sanitary waterproof and oilproof material furnished in the colors as shown for finishing coat on concrete and wood floors not exposed to the elements. It is furnished in a high-gloss finish.

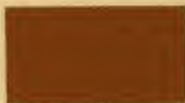
Cement Floor Enamel should be applied to a dry surface in two applications, the first coat being thinned down with approximately 50% pure spirits of turpentine and the second application being made in not before twenty-four hours in the consistency this material is furnished in the container. Do not add any dilutant to the enamel used for the finishing coat.

If desired the "R.I.W." Cement Filler can be used as the priming coat and the second application or finish coat of Cement Floor Enamel to be made as recommended.

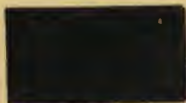
When used on wood floors the Cement Floor Enamel should be thinned with one-quarter its volume of turpentine and applied in a thin uniform coat. The application of the finishing coat of Cement Floor Enamel is to be made in the consistency as furnished in the container.



Cream



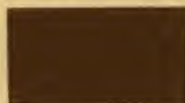
Spruce



No. 711 Dark Stone



No. 701 Light Stone



Linoleum Brown



Dutch Blue



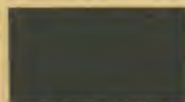
No. 714 Dust Color



Dark Red



Antique Brown



No. 702 Warm Gray



Russet



Napoli Green

Also White and Black

"R.I.W." Cement Filler (Patented)

Covering capacity, per gallon, one coat, approximately 300 square feet.

A transparent organic acid composition designed primarily for use on dry concrete floors to render same dust-proof, sanitary, water- and oilproof. It penetrates the pores, neutralizes the lime inherent in concrete and hardens the surface, giving a floor which will resist abrasive action as well as prevent cement dusting.

Two coats of Cement Filler should be applied where protection without decoration is desired.

"R.I.W." No. 2626 Cement Filler (Patented)

Covering capacity, per gallon, one coat, approximately 300 square feet.

This material is similar to "R.I.W." Cement Filler but contains specially selected gums, which yield a harder and glossier surface. Usually used on concrete floors subjected to severe conditions of service and to extremely porous cement floors to prevent a crumbling of same. It will be found to be particularly adapted in factory buildings, printing establishments, etc. Two coats should be applied to give a full wear resisting sanitary dust-proof and oil proof surface where protection without decoration is required.

"R.I.W." Flintox

Covering capacity per gallon, one coat, approximately 100 to 150 square feet.

A chemical solution intended primarily as a surface hardener and dust-preventive, which reacts with the cement and precipitates zinc silicious materials in the pores of the concrete.

Flintox may be applied to either dry or wet concrete surfaces.

Flintox is furnished in crystal form and should be mixed preferably with warm water in the proportion of nine pounds of crystals to five gallons of water. This gives a full strength solution.

Two applications of the Flintox should be made to the cement floor, diluting the first coat with between one-quarter to one-half of its volume. The second application being made full strength.

Flintox should be applied to the point of complete absorption with a broom or long handled brush, or it may be sprinkled on the floor, mopping up excess material which the concrete floor does not absorb.

"R.I.W." Dustop

Covering capacity, per gallon, one coat, approximately 300 square feet.

A transparent concrete floor dressing, which must not be painted over and which is intended for application to dry concrete floors with a mop, or it may be spilled on the floor and slushed around until absorption ceases. Excess material should be removed.

Dustop prevents abrasion to a limited extent, but its major function is that of a dust-preventive. Floors will probably require retreatment in a period of six months to one year, depending upon the service to which the treated floors are subjected. Dustop dries within six to twelve hours.

"R.I.W." Interior Konkerit Koating

Covering capacity, per gallon, one coat, approximately 350 square feet.

A dry powder composition, which is mixed with water, for application to a dry or damp surface of wood, brick, concrete or stucco.

Konkerit Koating is furnished in white and neutral gray shades and can also be tinted with the "R.I.W." Cement Colors to any desired shade. It combines with the surface and forms a hard non-dusting light reflecting finish, from which the maximum service will be obtained. It does not dust, wash off or powder and is easily applicable to wood and is as near fireproof as any chemical pigment ever made.

Konkerit Koating should be mixed in the proportion of six to seven pounds to the gallon of warm water. It is advisable to mix the material into a paste form at least an hour before application and then add the balance of the water to bring it to the proper consistency. Do not mix more than can be applied in one day and, further, it is advisable to dampen down the surface prior to the application of this material as it will be found that the compound will set to a much firmer and harder surface.

"R.I.W." Exterior Konkerit Koating

Covering capacity, per gallon, one coat, approximately 350 square feet.

A dry powder compound of identically the same nature as the Interior Konkerit Koating, except that same is made for exposure to the exterior elements. The Exterior Konkerit Koating is to be used in the same manner and conditions as Interior Konkerit Koating.

"R.I.W." Liquid Konkerit (Patented)

Covering capacity per gallon, one coat, approximately 200 square feet.

A flat finish dampproof weather resisting cement paint for finishing over Liquid Konkerit Primer, is furnished in white and other standard shades as shown herewith. This material can also be made with a semi-gloss or gloss finish if desired.

The function of Liquid Konkerit is the dampproofing of exposed brick, concrete, stucco, stone and other masonry surfaces. It may be used on interior walls and ceilings of brick and other masonry surfaces for decorative effect only, but not to prevent the penetration of dampness from outside wall surfaces or seal in moisture in the structure. When used on exterior weather exposed masonry surfaces Liquid Konkerit overcomes the natural porosity of the surface and at the same time imparts a uniform and attractive flat finish.

In the application of Liquid Konkerit Primer and Liquid Konkerit Finish all cracks, voids and open joints, etc., in the masonry should be thoroughly pointed up and allowed to dry completely before applying the material.

Apply one coat of Liquid Konkerit Primer of shade as selected, following in not before twenty-four hours with the finish coat of Liquid Konkerit. If the wall is very porous apply two coats of Liquid Konkerit in order to bring the wall to a uniform finish and appearance.

"R.I.W." Liquid Konkerit Primer (Patented)

**For the Painting of Exterior Concrete,
Stucco, Brick and Other Masonry Wall
Surfaces**

Covering capacity per gallon, one coat, approximately 200 square feet.

Where protection and decoration is desired Liquid Konkerit Primer should be used for priming the exterior surfaces of brick, stucco, stone and concrete walls above

grade, also coping and inside of parapet walls. This primer neutralizes the alkali inherent in Portland Cement and other masonry construction and provides the proper foundation for succeeding coats of "R.I.W." paints.

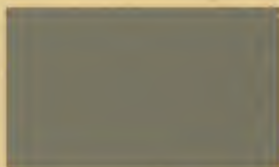
Liquid Konkerit Primer can also be used for priming interior walls and ceilings of the above stated character.

Liquid Konkerit Primer must never be diluted, nor must any pigment be added to it. This material is furnished in white and other standard shades as shown.

These colors are supplied regularly in dull effect.
Gloss effect only on request.



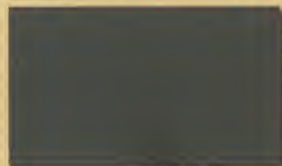
Cream



Light Gray



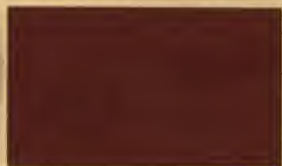
French Caenstone



Natural



Mentone Yellow



Brick Red

Also White

Liquid Konkerit Primer furnished in same shades

"R.I.W." Cement Colors

Mortar Colors—For the Coloring of Stucco, Concrete and Other Portland Cement Construction

The "R.I.W." cement colors for coloring Portland cement construction are furnished in dry powder forms. These alkali-proof colors are of a mineral base and are strong in tinting powder and are unaffected by the action of Portland cement.

Cement colors produce rich and permanent shades when used in Portland cement construction, such as stucco, cement walks, concrete foundations, statues and posts, etc. In general the amount of color required will be approximately ten per cent of the amount of neat Portland cement used and an equivalent amount of sand shall be omitted from the mixture.

In the mixing of the Cement colors a pre-determined quantity by volume of color shall be added dry to each bag of cement before adding other aggregate, after which the sand or other aggregate shall be added and thoroughly mixed dry until the entire batch is of uniform color. Water shall then be added in the usual way to bring the mortar to the proper consistency. Dry color shall be sprinkled over the surface just prior to troweling the finishing coat and worked in evenly and uniformly. This prevents laitance (excess of lime) crystallizing on the surface and makes a much more uniform finish. In sidewalk work the surface shall not be troweled to too smooth a finish. The depth of shade desired and color of the cement and aggregates used are determining factors in the amount of color needed to produce the required result and, therefore, it is advisable that the contractor make up a small briquette in which "R.I.W." cement color has been incorporated to arrive at the desired color.

"R.I.W." Edinburgh Mortar Colors

For coloring mortar used for laying up brick, cut stone and terra cotta, etc.

The Edinburgh Mortar Colors offer the strongest permanent, alkali-proof mineral colors for mortar joints. They are not affected by heat or cold and are furnished in both dry powder form and also in pulp form.

The Edinburgh Mortar colors are furnished in the standard colors as shown. Special shades can be made to order.

The estimated quantity of "R.I.W." Edinburgh Mortar color required is approximately one bucket of color to seven to nine buckets of ready mixed mortar by the volume.

In mixing the Edinburgh color, the color and the ingredients of the mortar shall be mixed until thoroughly distributed and the mass is uniform in color and homogeneous.

Methods of measurement shall be used which will secure separate, uniform measurements at all times.



MIDWAY THEATRE & HOTEL
BLDG.,
Roxy Theatre Corp.,
New York.

Walter W. Ahlschlager,
Architect,
Chicago, Ill.

R.I.W. Semi-Mastic Damp-
proofing used under
plaster.



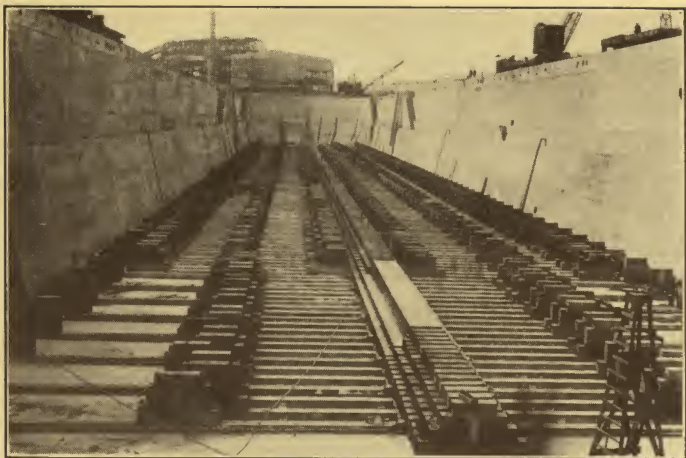
MEDICAL ARTS BLDG.,
Houston, Texas.

Hedrick & Gottlieb,
Architects,
Houston, Texas.

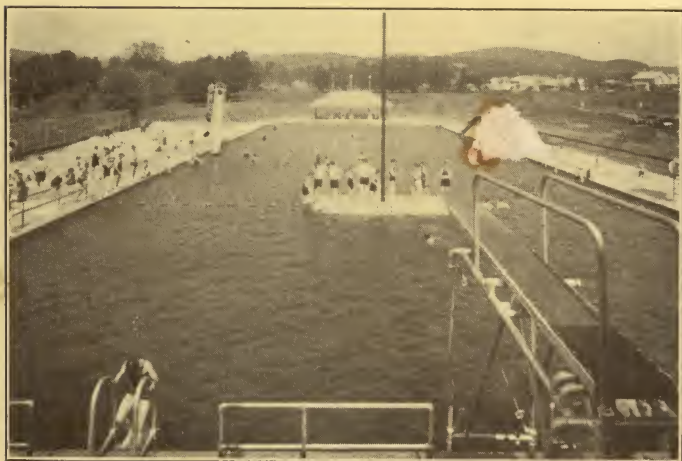
Don Hall, Gen'l Contr.,
Houston, Texas.

R.I.W. Toxement Integral
Waterproofing used in
all concrete below
grade.

R.I.W. No. 232 Damp-
proofing and Plaster
bond used under plaster
of all exterior walls.



NORFOLK U. S. NAVY YARD DRYDOCK, Norfolk, Va.
All Concrete Waterproofed with R.I.W. Toxement.



SOUTH TEMPLE SWIMMING POOL, South Temple, Pa.
R.I.W. Toxement used in all concrete.
R.I.W. Marine Cement also used.


"R.I.W." Colored Integral Hardener

For coloring, hardening and densifying concrete floors and rendering them more resistant to wear

Furnished in six standard shades, No. 6860 Terra Cotta; No. 429 Red; No. 106 Brown; No. 505 Willow Green; No. 535 Sea Green.

This compound is made in paste form and combines the advantages of a coloring material with a hardening, densifying medium, which also possesses certain waterproofing properties. Although not designed especially for dust-proofing concrete floor, Colored Integral Hardener improves the wearing qualities of such floors by reason of its hardening and densifying action. This material does not affect the tensile or compressive strength of the cement topping in which it is incorporated.

In general, the amount of color required will be about (10) ten percent of the amount of neat Portland Cement used and an equivalent amount of sand should be omitted from the mixture. The depth of shade desired and the color of the cement and aggregates used are determining factors in the amount of color needed to produce the desired shade. It is important to adopt methods of measurement on a job which will secure the same proportions of the various ingredients as were used in making up the sample briquette.

Where a  finish is to be applied over a concrete slab, the surface shall be chipped until it is sufficiently rough to provide a mechanical key; then the slab shall be thoroughly cleaned and wet down.

If the topping is applied in two coats, the undercoat shall be scratched so as to give a key, then the final topping shall be applied with "R.I.W." Colored Integral Hardener incorporated therein.

The proper amount of "R.I.W." Colored Integral Hardener shall be dissolved with water and when thoroughly mixed shall be added to the gauging water, care being taken not to add any more water than is absolutely necessary to make a perfect mix.

"R.I.W." Plaster Primer

Covering capacity, per gallon, one coat, approximately 300 to 400 square feet.

A white liquid priming coat of semi-opaque character for direct application to plaster wall surfaces. It is also suitable for priming wall board. Plaster Primer overcomes the alkalinity of unpainted plaster walls and obviates the necessity of using sizing material, such as glue, sealing varnish or similar preparations.

Plaster Primer fulfills the exacting requirements of a priming coat on plaster walls and ceiling surfaces and gives an excellent foundation for the succeeding coats of paint or enamel. This material can be tinted to any desired shade with a good grade of color in oil if desired.

"R.I.W." Toxkote White

Covering capacity, per gallon, one coat, approximately 250 to 300 square feet.

A two coat waterproof mill white, which is furnished in both flat and gloss finishes, and may be applied direct to all interior wall and ceiling surfaces whether of brick, concrete, metal, wood or plaster.

Toxkote is a washable white paint of high light reflecting value and is particularly adaptable for use in mills, factory buildings and apartment buildings. If desired it can be tinted to any desired shade with a good grade of color in oil.

Under ordinary circumstances a satisfactory finish may be had by applying two coats, but in instances where surfaces coated are very porous an additional coat may be necessary.

"R.I.W." Wonder Koat Enamel

Covering capacity, one coat, per gallon, approximately 300 square feet.

A two coat exceptionally high grade enamel adapted for interior or exterior use.

Wonder Koat Enamel is heavy bodied, works easily, flows smoothly, has exceptional hiding power and dries slowly with an elastic durable finish. The first or undercoat is of creamy consistency and dries flat. The finishing coat is furnished in either a semi-gloss or high-gloss finish.

Wonder Koat Enamel possesses the unique property that it always remains in suspension in the container, consequently there is no loss from straining or stirring.

"R.I.W." Machinery and Pipe Enamel

Covering capacity, per gallon, one coat, approximately 300 to 400 square feet.

A high grade waterproof composition made in black and six shades as shown to meet the unusually severe service required on dynamos, transformers, engines and other machinery and pipe lines not exposed to the elements. It dries with a deep lustrous finish, is water and oilproof and high elastic and will give the maximum service on the mentioned type of apparatus and pipe lines, etc.



No. 784 Light Gray



No. 782 Brilliant Blue



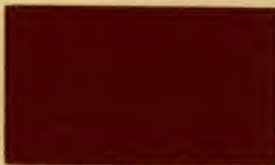
No. 785 Orange



No. 783 Brilliant Green



No. 787 Dark Green



No. 786 Fire Vermillion

Also Black and White

Caulking and Pointing

"R.I.W." Elastic Caulking Compound

Caulking and Pointing Compound for Metal or Wood Door and Window Frames and Glazing Sash. Pointing Material for Terra Cotta, Stone Joints, etc.

Furnished in steel gray and French Caenstone shades; other colors can be made to order.

Elastic Caulking Compound is a waterproof elastic non-staining compound which dries hard on the surface, yet remains elastic underneath to expand and contract with temperature changes, adheres perfectly to wood, steel, masonry or glass and is especially adapted for caulking metal or wood door and window frames, etc., and for the pointing of terra cotta and stone joints, etc. In using Elastic Caulking Compound the frame and masonry reveal shall be caulked in a thorough manner with oakum or other similar material and then pointed up with Elastic Caulking Compound.

Where the material is used in connection with wood frames remove the staff bead and fill the joint between the frame and masonry on all sides with Elastic Caulking Compound until it protrudes beyond the masonry. The staff bead when replaced shall be pressed into the Elastic Caulking Compound. Where joints are wide and deep caulk with oakum to within one-half or three-quarters of an inch of the surface and then fill the joints with Elastic Caulking Compound.

Where metal frames are set in masonry the inside edge of the masonry opening or the frame shall be buttered with Elastic Caulking Compound and the frame pressed into place and properly secured. In instances where frames are set caulk with oakum and force Elastic Caulking Compound between the frames and the masonry at all joints.

For the pointing up of stone, terra cotta, brick, etc., after all joints have been thoroughly cleaned of all loose particles, etc., they shall be filled and pointed up with Elastic Caulking Compound, this material being applied with a pointing tool or knife, forcing the material into the joints. The caulking compound shall be flush with the surface on completion of the work.

"R.I.W." No. 9695 Boot Topping Paint

Covering capacity, per gallon; one coat, approximately 400 to 500 square feet.

A black waterproof material, which is particularly adapted for conditions along the seacoast and where subjected to the alternate action of salt water and air.

No. 9695 retains its color and body and does not flake off when subjected to the above stated conditions. It dries sufficiently hard in four hours to permit the application of a second coat.

"R.I.W." Toxibarn Copper Paint

Covering capacity, per gallon, one coat, approximately 400 square feet.

This is a waterproof paint that contains a considerable percentage of copper. It is extremely waterproof and resists marine growths, such as barnacles, moss, etc. This material can be used for painting the bottoms of wooden boats, piles and deck work, or for any surface which must withstand the action of water and the elements.

Before applying Toxibarn Copper Paint the surface must be thoroughly freed from all foreign substances and be perfectly dry in order to insure perfect adhesion of the paint.

CAUTION: Toxibarn Copper Paint is highly poisonous. This fact must be kept in mind when handling it.

"R.I.W." Buff Mast Color

Covering capacity, per gallon, one coat, approximately 400 to 500 square feet.

In the entire field of maintenance there is no problem that presents so many diverse and extreme elements as the proper painting of a ship super-structure.

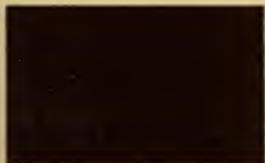
Toch's Mast Color is heavy bodied, brilliant in color, resists the attacks of extremes of temperature, and protects thoroughly while maintaining an attractive appearance.



*Red
Copper Paint*



*Green
Copper Paint*



*Brown
Copper Paint*



*"R I W"
Buff Mast Color*

"R.I.W." Anti-Rust Compound No. 1

**For Protecting from Rust and Corrosion.
Machinery and Machinery Parts in Tran-
sit or Idle Machinery in Foundries, Manu-
facturing Plants and Similar Places**

One gallon weighs approximately ten pounds.

A medium firm paste for application to bright parts of machinery with a stiff brush or swab or mitt.

Anti-Rust Compound adheres firmly and gives quite a stiff coating over the metal surface. It, nevertheless, will always be greasy and somewhat soft if touched. If stirred or slushed around with a paddle or stick it becomes somewhat soft and can be smeared on readily. It can be readily removed with dry cotton waste or rags or with the aid of benzine, kerosene or turpentine.

Anti-Rust No. 1 is recommended for protection of machines which are to be transported.

"R.I.W." Anti-Rust Compound No. 2 Semi-Paste

One gallon weighs approximately 9.3 pounds.

This material is similar in all its properties to No. 1 Paste, with the exception that it is considerably thinner in consistency. It can be applied more readily with a brush and will yield a thinner film and cover a greater surface than the No. 1 Paste. It will be found very adaptable for use on the smaller machinery parts and for irregular surfaces and steel parts in plants which lie idle part of the year.



WESTMONT BAPTIST CHURCH, Montreal, Canada.

R.I.W. Toxement Integral Waterproofing used in all concrete.

R.I.W. No. 232 Dampproofing & Plaster bond used under plaster.

R.I.W. Cement Floor Enamel used on cement floors.



HARVARD UNIVERSITY BUSINESS GROUP, Cambridge, Mass.

McKim, Mead and White, Architects, New York City.

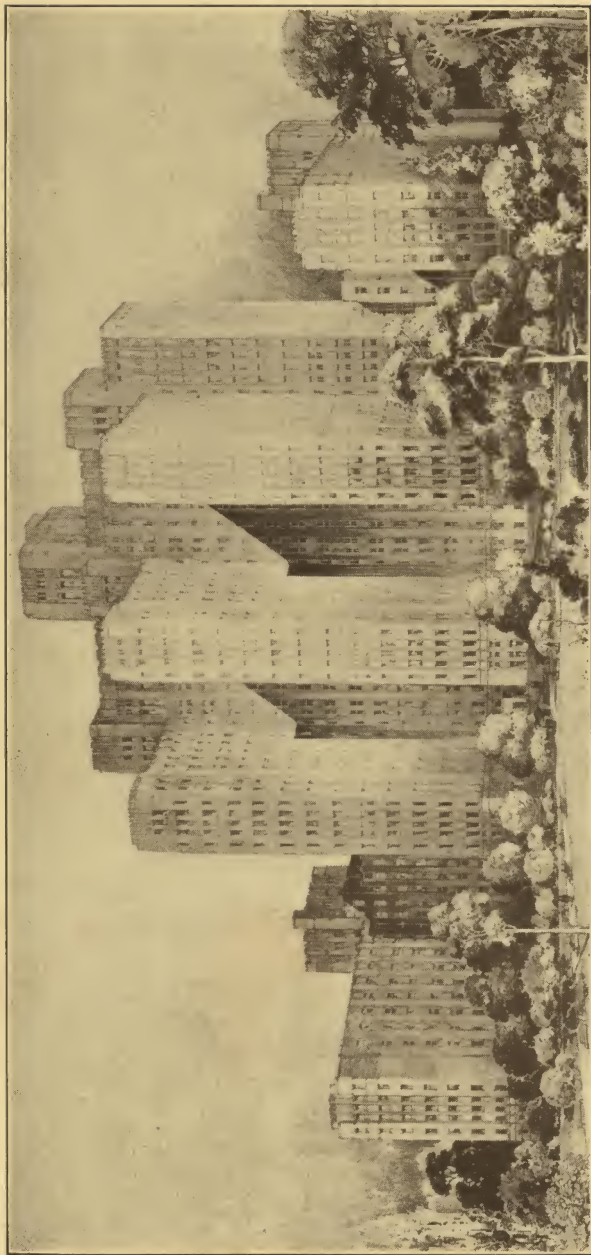
Hegeman Harris Co., Gen'l Contrs., New York, N. Y.

R.I.W. No. 232 Dampproofing used under plaster.

R.I.W. Toxloxpore Colorless Dampproofing used.

R.I.W. Elastic Caulking Compound used for caulking windows.

R.I.W. Cement Floor Enamel used.



COLUMBIA PRESBYTERIAN MEDICAL CENTER, New York City
Jas. Gamble Rogers, Architects, New York City.

R.I.W. No. 5700 Barium Sulphate used in plaster of X-Ray rooms.
R.I.W. No. 110 used on cut stone.

R.I.W. Toxement Integral Waterproofing used.
R.I.W. Hospital & Laboratory Enamel used.

"R.I.W." Anti-Rust Compound No. 3 Liquid

One gallon weighs approximaetly 6 $\frac{7}{8}$ pounds.

This is a liquid material of varnish-like consistency, pale in color, which can be applied by brushing, spraying or dipping.

No. 3 Anti-Rust Liquid dries with a firm film, which is not greasy or sticky to the touch. It is particularly adapted for preserving steel parts packed in excelsior or similar material.

No. 3 Anti-Rust Liquid is suitable for protecting small objects and irregularly shaped made up parts which cannot be completely coated with heavier materials or which, because of intricacies, require too high a percentage of the coating material. It cannot be removed by dry wiping, but is readily dissolved with benzine, gasoline, kerosene or turpentine.

"R.I.W." Toxbro Wood Filler

Covering capacity, per gallon, one coat, approximately 400 square feet.

A light straw colored, varnish-like material, for application to wood floors or other wood surfaces. Toxbro binds the wood fibres together; prevents the grain of wood from raising and insures a smooth surface. It prevents slivering, splintering, cracking and checking.

Toxbro Wood Filler is a dust-proofer and also renders the treated surfaces more resistant to traffic and other abrasive action, is thoroughly waterproof and elastic.

This Product is highly recommended for use on wooden decks of vessels.

"R.I.W." Metallic Hardener

For Hardening and Wear-Proofing Cement Floor Surfaces

"R.I.W." Metallic Hardener is a product which is oil and dust-free and specially manufactured and treated so that it mixes readily with cement and sand, giving a floor surface like a solid piece of metal, that is hard, dense, dustproof and oilproof.

The use of "R.I.W." Metallic Hardener produces an iron wearing surface which won't dust, scratch, is wear-proof and resistant to the action of oil and grease, etc.

"R.I.W." Metallic Hardened floors are adapted for such surfaces as are called upon to withstand excessive service, such as factories, warehouses, cold storage plants, garages, gymnasiums, pavements, stair treads, loading docks and platforms, etc.

"R.I.W." Metallic Hardener is furnished in grey and red and the application of this material is extremely simple. Any good cement finisher is competent to use this material, it only being necessary to follow the specifications as to its application, using standard brands of cement and clean, coarse, gritty sand.

Thirty pounds of "R.I.W." Metallic Hardener shall be used to each 100 sq. ft. of floor surface to be hardened. This 30 lbs. of "R.I.W." Metallic Hardener shall be thoroughly mixed with an equal amount of Portland cement (by volume), this resulting mixture is to be evenly sprinkled or sifted over 100 sq. ft. of floor surface prior to the final troweling. This shall be floated in thoroughly and troweled to a smooth, hard surface. The Metallic Hardener shall not be applied until all surface water has disappeared from the surface.

The mechanic should be cautioned as to the necessity of applying this material at the proper time. If it is applied when the cement topping is too soft the particles of Metallic Hardener will sink into the soft cement, and if left too long will lie on the surface and, therefore, cannot bond properly and will be easily worn off.

"R.I.W." Metallic Hardener is packed in 100-lb. bags.

Flex-Sicco Paint

READY MIXED PAINT

An excellent paint of great durability for painting buildings. Equally well adapted for either exterior or interior use.



Cream



Tropic Gray



Sky Blue



Tan



Colonial Yellow



Pearl Gray



Apple Green



Golden Brown



Canary Yellow



Battleship Gray



Emerald Green



Peruvian Red



Navy Buff



Slate



Dark Green



Indian Red

Also Black and White

"R.I.W." Clear Tox-Mix

Concrete, Integral Hardener and Accelerator

"R.I.W." Clear Tox-mix is a colorless liquid to be used integrally in Portland cement mixtures, concrete, stucco and brick mortar, etc.

When this solution is used a great increase is obtained in the early tensile and compressive strength of Portland cement mixtures, and it renders the resulting concrete or Portland cement mortar permanently hard and dense.

"R.I.W." Clear Tox-mix is a colloidal basic material possessing great waterproofing properties which brings into service all the cohesive and colloidal properties of the Portland cement, enriching the concrete or cement mortar so that it can be finished in less time than usual, and it functions through the entire mass, insuring a uniform hardening throughout and a non-dusting surface. Delays in construction caused by freezing weather are eliminated, due to the action of "R.I.W." Clear Tox-mix, and a general speeding up of masonry construction is had.

In brick mortar work the "R.I.W." Clear Tox-mix is invaluable, as it makes for the speeding of the laying of brick and finishing of the mortar joint immediately, and, therefore, a quick removal of scaffolding or staging.

"R.I.W." Clear Tox-mix accelerates the initial and final set of Portland cement construction from two to four and one-half hours, thereby saving time and labor in construction, at the same time producing a mortar or concrete of greater tensile as well as compressive strength which is thoroughly hardened and dustproof on the surface.

For concrete and other Portland cement mixers the "R.I.W." Clear Tox-mix should be added to the gauging water, mixing it in the proportion of approximately one quart (U. S. measure) to the mixing water required for each bag of Portland cement.

The surfaces should be protected from plaster and cement stains, etc., by covering with stainless paper, placing this paper as soon as the surface is hard enough to prevent injury, and under no circumstances before twenty-four hours.

Where used in brick mortar same should be of either one part cement, two and one-half parts sand, or one part cement and three parts sand, adding the "R.I.W." Clear Tox-Mix to the mixing water in the proportion of one part of Tox-mix to ten gallons of water, using this mixture to temper the mortar.

Detailed Specifications furnished on request.

"R.I.W." Colored Tox-Mix

**For Coloring, Hardening, Dustproofing
and Densifying Concrete Floors**

"R.I.W." Colored Tox-mix is manufactured in granular form and combines the advantage of an alkali-proof coloring material with a hardening and densifying medium, which also possesses great waterproofing properties.

"R.I.W." Colored Tox-mix is a colloidal basic material, which will produce a uniformly colored, hardened and non-dusting floor, the tensile as well as compressive strength of which is greatly increased.

In general, the amount of colored Tox-mix required will be about 10% of the amount of neat Portland cement used (this depending on the color used and depth of shade desired) and an equivalent amount of sand (by volume) should be omitted from the mixture.

It is recommended that a small briquette or plaque be made up on the job to determine the desired color depth in view of the variation in shade of the different brands of cement and aggregates.

"R.I.W." Colored Tox-mix is packed in airtight containers, holding the exact quantity to be used for each bag of cement, thus eliminating all guess work on the part of the mechanic and assuring of proper proportions at all times. The man at the mixing machine or box is simply required to dump the contents of each can of Colored Tox-mix over the Portland cement in the mixing machine or box, then proceed as usual.

"R.I.W." Colored Tox-mix is furnished in eight standard, alkali-proof colors as follows: Red, Grey, Black, Yellow, Brown, Buff, Blue, Green. By intermixing these standard colors, a great variety of shades and tones may be secured.

The proper amount of "R.I.W." Tox-mix, cement and sand shall be thoroughly mixed, dry, until the batch is of uniform color, care being exercised to avoid excessive mixing water, only adding sufficient to make a workable but not sloppy mix.

Apply the "R.I.W." Colored Tox-mix top finish to the floor slab in the usual manner. Under no circumstances shall water be sprinkled or otherwise applied to the surface during the troweling.

"R.I.W." Colored Tox-mix shall be mixed integrally in the following proportions, which are approximate, to each bag of Portland cement used.

Red.....	10 lbs.	Brown.....	10 lbs.
Grey.....	10 lbs.	Yellow.....	10 lbs.
Black.....	10 lbs.	Blue.....	15 lbs.
Buff.....	15 lbs.	Green.....	15 lbs.

Detailed Specifications furnished on request.

